

GenCore version 5.1.3
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OM protein - nucleic search, using frame_plus.p2n model

Run on: December 9, 2002, 12:18:19 ; Search time 3320 Seconds
(without alignments)
2529.395 Million cell updates/sec

Title: US-09-765-034-2
Perfect score: 1747
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Ygapop 10.0 , Ygapext 0.5
Fgapop 6.0 , Fgapext 7.0
Delop 6.0 , Delext 7.0

Searched: 24791104 seqs, 12571243825 residues

Total number of hits satisfying chosen parameters: 49582208

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Post-processing: Minimum Match 0%
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Listing first 45 summaries

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SUMMARIES

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5	1737	99.4	1005	33	US-09-875-076-35
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					Sequence 1, Appl
					Sequence 37, Appl
					Sequence 35, Appl
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					Sequence 37, Appl

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8 1737 99.4 1436 1 PCT-US01-01316-36
9 1737 99.4 1436 1 PCT-US01-16450-1352
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ALIGNMENTS

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RESULT 1
US-60-172-490-1
: Sequence 1, Application US/60172490
: GENERAL INFORMATION:
: APPLICANT: Hedrick, Joseph
: APPLICANT: Lachowicz, Jean
: APPLICANT: Wang, Wei
: APPLICANT: Gustafson, Eric
: TITLE OF INVENTION: Adenosine Receptor
: FILE REFERENCE: CNO1084P
: CURRENT APPLICATION NUMBER: US/60/172,490
: CURRENT FILING DATE: 1999-12-17
: NUMBER OF SEQ ID NOS: 4
: SOFTWARE: PatentIn Ver. 2.1
: SEQ ID NO 1
: LENGTH: 1338
: TYPE: DNA
: ORGANISM: homo sapiens
: FEATURES:
: NAME/KEY: CDS
: LOCATION: (1)..(1005)
: US-60-172-490-1
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Alignment Scores:

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Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
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Sequence 37, Application US/09416760
GENERAL INFORMATION:
APPLICANT: Behan, Dominic P.
APPLICANT: Lehmann-Brulisma, Karin
APPLICANT: Chalmers, Derek T.
APPLICANT:owitz, Kevin P.
APPLICANT: Lin, T-Lin
APPLICANT: Dang, Huang T.
APPLICANT: Chen, Ruoping
APPLICANT: Liaw, Chen W.
TITLE OF INVENTION: Non-Endogenous Constititively Activated Human G Protein Coupled Re
FILE REFERENCE: AREN-0054
CURRENT APPLICATION NUMBER: US/09/416,760
PRIOR APPLICATION NUMBER: 09/170,496
PRIOR FILING DATE: 1998-10-13
PRIOR APPLICATION NUMBER: 60/110,060
PRIOR FILING DATE: 1998-11-27
PRIOR APPLICATION NUMBER: 60/120,416
PRIOR FILING DATE: 1999-02-16
PRIOR APPLICATION NUMBER: 60/121,852
PRIOR FILING DATE: 1999-02-26
PRIOR APPLICATION NUMBER: 60/109,213
PRIOR FILING DATE: 1998-11-20
PRIOR APPLICATION NUMBER: 60/123,944
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PRIOR APPLICATION NUMBER: 60/156,633
PRIOR FILING DATE: 1999-09-29
NUMBER OF SEQ ID NOS: 146
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; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-416-760-37

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Query Match: 99.43% Indels: 0
DB: Gaps: 0

US-09-765-034-2 (1-334) x US-09-416-760-37 (1-1005)

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DB 121 AATACCATTTGTTTACGCTACATCTCTCTGTAAGACTGGAACAGCATATATT 180
QY 61 TyrLeuPheAsnLeuSerValSerAspLeuAlaPheLeuCysThrLeuProMetLeuIle 80
DB 181 TATCTCTTTAACCTCTCTCTCTCTGACTTATGCTTCTGCACTCCCTCCATGCTGATA 240
QY 81 ArgSerTyrAlaAsnGlyAsnTrpIleTyGlyAspValLeuCysIleSerAnArgTyr 100
DB 241 AGGAGTTATGCCAATGGAACACTGGATATATGGAGCTCTCTGCAITAAAGCAACCATAT 300
QY 101 ValLeuHisAlaAsnLeuTyrThrSerIleLeuPheLeuThrPheIleSerIleAspArg 120
DB 301 GTCCTCATGCAACCACTATACACACATCTCTCTCTGCACTTTATGACATATGATGCA 360
QY 121 TyrLeuIleIleIleTyTyrProPheArgGluHisLeuGlnLysGluPheAlaIle 140
DB 361 TACTTGATATTAAGATATCTCTCTCTGCAACCTCTGCAACCTCTCTCTCTCTCTCTCT 420
QY 141 LeuIleSerLeuAlaIleTyrPheValIleThrLeuGluLeuProIleLeuProIle 160
DB 421 TTAATCTCTTGGCCATTTGGGTTTATGACCTTATGACCTTATGACCTTATGACCTT 480
QY 161 IleAsnProValIleThrAspAsnGlyThrThrCysAsnAspPheAlaSerSerGlyAsp 180
DB 481 ATTAATCGTGTATATACATGACATGACACACTGTAATGATTTTGCAGTCTGAGAC 540
QY 181 ProAsnTyrAsnLeuIleTyTyrSerMetCysLeuThrLeuGluGlyPheLeuIleProLeu 200
DB 541 CCCAATACCACTCATTTTACAGCATGTCTTAACACTTGTGGGCTTCTTATTCCTCT 600
QY 201 PheValMetCysPhePheTyTyrIleAlaLeuPheLeuLysIleArgAsnArgGln 220
DB 601 TTTGTGATGTGTTCTTTATTAACAAGATTGCTCTCTCTTAAAGCAGAGGAATAGCAG 660
QY 221 ValAlaThrAlaLeuProLeuGluLySProLeuAsnLeuValIleMetAlaValAlaIle 240
DB 661 GTTGCTACGCTGCTGCCCTTGAAGAGCTCTCAACTTGTGTCATATGACAGTGAATC 720
QY 241 PheSerValProPheThrProTyHisValMetArgAsnValArgIleAlaSerArgLeu 260
DB 721 TTTCTGTGCTTTTACACCTATCAGCTATCAGCGGAAGTAGAGGTCTCTTACGCCCTG 780
QY 261 GlySerTrpLysGluTyrGlnCysThrGlnValValIleAsnSerPheTyIleValThr 280
DB 781 GGGAGTTGAGACGATATGACGACCTAGGTCGTCATCATCACTCTTATGATGACA 840
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Qy 281 ArgProLeuAlaPheLeuAsnSerValIleAsnProValPheTyrPheLeuGlnYasp 300
Db 841 CGCGCTTTGGCTTTCTGTGACAGTGTATCAACCTGCTTTCTATTCTTTGAGAT 900
Qy 301 HisPheArgAspMetLeuMetAsnGlnLeuArgHisAsnPhelySerLeuThrSerPhe 320
Db 901 CACTTCAGAGGACATGCTGTATGAACTGACAGACAACTTCAATCCCTTACATCCCTT 960
Qy 321 SerArgTPAlaHisGlnLeuLeuLeuSerPheArgGlnYas 334
Db 961 AGCAGATGGGCTCATGAACCTCTACTTCTTCAAGAGAAAG 1002
RESULT 3
US-09-416-760A-37
Sequence 37, Application US/09416760A
GENERAL INFORMATION:
APPLICANT: Behan, Dominic P.
APPLICANT: Lehmann-Brufinsma, Karin
APPLICANT: Chalmers, Derek T.
APPLICANT: Lowitz, Kevin P.
APPLICANT: Lin, I-Lin
APPLICANT: Dang, Huong T.
APPLICANT: Chen, Ruoping
APPLICANT: Liaw, Chen W.
TITLE OF INVENTION: Non-Endogenous Constitively Activated Human G Protein Coupled Re
FILE REFERENCE: ARN-0054
CURRENT APPLICATION NUMBER: US/09/416, 760A
PRIOR FILING DATE: 1999-10-12
PRIOR APPLICATION NUMBER: 09/170,496
PRIOR FILING DATE: 1998-10-13
PRIOR APPLICATION NUMBER: 60/110,060
PRIOR FILING DATE: 1998-11-27
PRIOR APPLICATION NUMBER: 60/120,416
PRIOR FILING DATE: 1999-02-16
PRIOR APPLICATION NUMBER: 60/121,852
PRIOR FILING DATE: 1999-02-26
PRIOR APPLICATION NUMBER: 60/109,213
PRIOR FILING DATE: 1998-11-20
PRIOR APPLICATION NUMBER: 60/123,944
PRIOR FILING DATE: 1999-03-12
PRIOR APPLICATION NUMBER: 60/123,945
PRIOR FILING DATE: 1999-03-12
PRIOR APPLICATION NUMBER: 60/123,948
PRIOR FILING DATE: 1999-03-12
PRIOR APPLICATION NUMBER: 60/123,951
PRIOR FILING DATE: 1999-03-12
PRIOR APPLICATION NUMBER: 60/123,946
PRIOR FILING DATE: 1999-03-12
PRIOR APPLICATION NUMBER: 60/123,949
PRIOR FILING DATE: 1999-03-12
PRIOR APPLICATION NUMBER: 60/152,524
PRIOR FILING DATE: 1999-09-03
PRIOR APPLICATION NUMBER: 60/151,114
PRIOR FILING DATE: 1999-08-27
PRIOR APPLICATION NUMBER: 60/108,029
PRIOR FILING DATE: 1998-11-12
PRIOR APPLICATION NUMBER: 60/136,436
PRIOR FILING DATE: 1999-05-28
PRIOR APPLICATION NUMBER: 60/136,439
PRIOR FILING DATE: 1999-05-28
PRIOR APPLICATION NUMBER: 60/136,567
PRIOR FILING DATE: 1999-05-28
PRIOR APPLICATION NUMBER: 60/137,127
PRIOR FILING DATE: 1999-05-28
PRIOR APPLICATION NUMBER: 60/137,131
PRIOR FILING DATE: 1999-05-28
PRIOR APPLICATION NUMBER: 60/141,448
PRIOR FILING DATE: 1999-06-29
PRIOR APPLICATION NUMBER: 60/136,437
PRIOR FILING DATE: 1999-05-28
PRIOR APPLICATION NUMBER: 60/156,555
PRIOR FILING DATE: 1999-09-29
PRIOR APPLICATION NUMBER: 60/156,634

Qy PRIOR FILING DATE: 1999-09-29
PRIOR APPLICATION NUMBER: 60/156,653
Db PRIOR FILING DATE: 1999-09-29
PRIOR APPLICATION NUMBER: 60/157,280
Qy PRIOR FILING DATE: 1999-10-01
PRIOR APPLICATION NUMBER: 60/157,294
Db PRIOR FILING DATE: 1999-10-01
PRIOR APPLICATION NUMBER: 60/157,281
Qy PRIOR FILING DATE: 1999-10-01
PRIOR APPLICATION NUMBER: 60/157,282
Db PRIOR FILING DATE: 1999-10-01
PRIOR APPLICATION NUMBER: 60/156,633
Qy NUMBER OF SEQ ID NOS: 149
Db SOFTWARE: Patent version 3.1
SEQ ID NO 37
LENGTH: 1005
TYPE: DNA
ORGANISM: Homo sapiens
US-09-416-760A-37
Alignment Scores:
Pred. No.: 7,05e-151 Length: 1005
Score: 1737.00 Matches: 333
Percent Similarity: 99.70% Conservative: 0
Best Local Similarity: 99.70% Mismatches: 1
Query Match: 99.43% Indels: 0
DB: 18 Gaps: 0
US-09-765-034-2 (1-334) x US-09-416-760A-37 (1-1005)
Qy 1 MetLeuGlyIleMetAlaTrpAsnAlaThrCysLysAsnTrpLeuAlaGlnAla 20
Db 1 ATGCTGGGATCATGGCATGATGCAATGCAAACTGGCTGGCAGAGAGCTGCC 60
Qy 21 LeuGluLysTyrTyrLeuSerIlePheTyrGlyIleGluPheValGlyValLeuGly 40
Db 61 CTGCAAAAGTACTACCTTCCATTTTATGGATGAGTGGCTGGAGTCCCTTGA 120
Qy 41 AsnThrIleValIleValTyrGlyTyrIlePheSerLeuLysAsnTrpAsnSerAsnIle 60
Db 121 AATACCATGTTGTTTACGGCTACATCTCTCTCGAAGAACTGGAACAGCATATAT 180
Qy 61 TyrLeuPheAsnLeuSerValSerAspLeuAlaPheLeuCysThrLeuPrometLeuIle 80
Db 181 TATCTCTTAACTCTCTGCTGCTGACTTACCTTTCTGTCACCTCCATGCTGATA 240
Qy 81 ArgSerTyrAlaAsnGlyAsnTrpIleTyrGlyAspValLeuCysIleSerAsnArgTyr 100
Db 241 AGGAGTTATGCCAATGGCAACTGGATATATGAGACGTGCTCCATAGCAACCGATAT 300
Qy 101 ValLeuHisAlaAsnLeuTyrThrSerIleLeuPheLeuThrPheIleSerIleAspArg 120
Db 301 GTGCTCATGCAACCTGTATACCAAGCATCTCTTTCACATTTTACAGCATATGATGA 360
Qy 121 TyrLeuIleIleLysTyrProPheArgGlnHisLeuLeuGlnLysGluPheAlaIle 140
Db 361 TACTTGATTAATTAAGTATCCCTTCCGAGAACACCTTTCGAAAAGAAAGATTGCTATT 420
Qy 141 LeuIleSerLeuAlaIleTrpValLeuValIlePheGluLeuLeuProIleLeuProLeu 160
Db 421 TTAATCTCTGGCCATTTGGTTTATGTAACCTTAGAGTTACCACTTCCCTT 480
Qy 161 IleAsnProValIleThrAspAsnGlyThrThrCysAsnAspPheAlaSerSerGlyAsp 180
Db 481 ATAAATCTGTATATACGACAAATGGCCACCTGTATATGATTTTGCAGATTCTGGAGAC 540
Qy 181 ProAsnTyrAsnLeuIleTyrSerMetCysLeuThrLeuLeuGlyPheLeuIleProLeu 200
Db 541 CCCAATCAACCTCATTTACAGCATGTGTACACAGTGGGGTCTTATTCCTCTT 600
Qy 201 PheValMetCysPhePheTyrTyrLysIleAlaLeuPheLeuLysGlnArgAsnArgGln 220

Db 601 TTGTGATGTTCTTTATTACAAAGATTGCTCTCTCTTAAGCAGAGAAATAGCAG 660
Qy 221 VALAIAthAlaLeuProLeuGluLysProLeuAsnLeuValIleMetAlaValIle 240
Db 661 GTGGTACTGCTGCCCCCTTGAAGCCTTCAACTGGTGCATCATGCGAGGTAAATC 720
Qy 241 PheSerValProPheThrProTyrHisValMetArgAsnValArgIleIleAsnArgLeu 260
Db 721 TTCTGTGCTCTTTTACACCTATACGTCATGCGGAAGTGAAGGTGCTTCACGCCCTG 780
Qy 261 GlySerTrpLysGlnTyrGlnCysThrGlnValIleAsnSerPheTyrIleValThr 280
Db 781 GGGAGTGGAAACAGATCATGAGTGCACATGCGTGCATCACTCTTTTACATTTGAGCA 840
Qy 281 ArgProLeuAlaPheLeuAsnSerValIleAsnProValPheTyrPheLeuGluLys 300
Db 841 CGGCTTTGGCTTCTCTGTAAGTGCATCAACCGTCTCTATTTCTTTGGAGAT 900
Qy 301 HisPheArgAspMetLeuMetAsnGlnLeuArgHisAsnPhelYsSerIleThrSerPhe 320
Db 901 CACTTCAGGAGCATGCTGTGATGAATCAACTGAGACACACACTTCAAATCCCTTACATCCTT 960
Qy 321 SerArgTrpAlaHisGlnLeuLeuLeuSerPheArgGluLys 334
Db 961 ACAGATGGGCTCATCACTCTCTCTTCTTATTCAGAGAAAG 1002

RESULT 4

US-09-417-044-35
Sequence 35, Application US/09417044

GENERAL INFORMATION:

APPLICANT: Chen, Ruoping
APPLICANT: Dang, Huong T.
APPLICANT: Liaw, Chen W.
APPLICANT: Lin, I-Lin
TITLE OF INVENTION: Human Orphan G Protein Coupled Receptors
FILE REFERENCE: AREN0050
CURRENT APPLICATION NUMBER: US/09/417,044
CURRENT FILING DATE: 1999-10-12
Prior application data removed - consult PALM or file wrapper
NUMBER OF SEQ ID NOS: 74
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 35
LENGTH: 1005
TYPE: DNA
ORGANISM: Homo sapiens
US-09-417-044-35

Alignment Scores:

Pred. No.: 7.05e-151 Length: 1005
Score: 1737.00 Matches: 333
Percent Similarity: 99.70% Conservative: 0
Best Local Similarity: 99.70% Mismatches: 1
Query Match: 99.43% Indels: 0
DB: 18 Gaps: 0

US-09-765-034-2 (1-334) x US-09-417-044-35 (1-1005)

Qy 1 MetLeuGlyIleMetAlaTrpAsnAlaThrCysLysAsnTrpLeuAlaIleAlaValIle 20
Db 1 ATGCTGGGATCATGCGATGCAATGCACTTGCCTGCGACAGAGGCTGCC 60
Qy 21 LeuGluLysTyrTyrLeuSerIlePheTyrGlyIleGluPheValValGlyValLeuGly 40
Db 61 CTGGAATACTACTACTCTTCCATTTTATGAGATGAGTGTGCTGTGGAGTCCCTTGA 120
Qy 41 AsnThrIleValValTyrGlyTyrIlePheSerLeuLysAsnTrpAsnSerAsnIle 60
Db 121 AATACATTGTTGTTTACGCGTACATCTCTCTGAAACACTGGAACAGCAATTAATT 180
Qy 61 TyrLeuPheAsnLeuSerValSerAspLeuAlaPheLeuCysThrLeuProMetLeuIle 80
Db 181 TATCTTTTAACCTCTCTCTCTGACTTACGTTTCTGTGACCTCCCATGCTGATA 240

Qy 81 ArgSerTyrAlaAsnGlnLysAsnTrpIleTyrGlyAspValLeuCysIleSerAsnArgTyr 100
Db 241 AGGAGTTATGCAATGGAATGGAATATATGAGAGCTGCTCTGCTAAGCAACCATAT 300
Qy 101 ValLeuHisAlaAsnLeuTyrThrSerIleLeuPheLeuThrPheIleSerIleAspArg 120
Db 301 GTGCTTCATGCCAACCCTCATACAGCATTTCTTCTCATCTTTTATCAGCATAGATGCA 360
Qy 121 TyrLeuIleIleLysTyrProPheArgLysIleLeuGlnLysLysGluPheAlaIle 140
Db 361 TACTGATATATATAGATACCTTTCCGAGAAACACCTTCCGAAAGAAAGTTGTAT 420
Qy 141 LeuIleSerLeuAlaIleTrpValLeuValThrLeuGlnLeuLeuProIleLeuProLeu 160
Db 421 TTAATCTCTTGCCATTGGGCTTTAGTACTTACTAGATTTCTACCATTTCCCTT 480
Qy 161 IleAsnProValIleThrAspAsnGlyThrCysAspAspPheIleAsnSerGlyAsp 180
Db 481 ATTAATCTGTTATATACATCAATGAGACACACCTGTAAATGATTTTCCAGTTCTGGAGAC 540
Qy 181 ProAsnTyrAsnLeuIleTyrSerMetCysLeuThrLeuGluGlyPheLeuIleProLeu 200
Db 541 CCAACTACACCTCATTTTACAGCATGTGTATACACTGTGGGTTCTTATTTCTCTT 600
Qy 201 PheValMetCysPhePheTyrTyrIleAlaLeuPheLeuLysGlnArgAsnArgGln 220
Db 601 TTGTGATGTGTTCTTTATTACAAAGATTGCTCTCTCTTAAAGCAGAGAAATAGCAG 660
Qy 221 VALAIAthAlaLeuProLeuGluLysProLeuAsnLeuValIleMetAlaValIle 240
Db 661 GTGGTACTGCTGCCCCCTTGAAGCCTTCAACTGGTGCATCATGCGAGGTAAATC 720
Qy 241 PheSerValProPheThrProTyrHisValMetArgAsnValArgIleIleAsnArgLeu 260
Db 721 TTCTGTGCTCTTTTACACCTATACGTCATGCGGAAGTGAAGTCCCTTACGCCCTG 780
Qy 261 GlySerTrpLysGlnTyrGlnCysThrGlnValIleAsnSerPheTyrIleValThr 280
Db 781 GGGAGTGGAAACAGATCATGAGTGCACATGCGTGCATCACTCTTATTCATTTGAGCA 840
Qy 281 ArgProLeuAlaPheLeuAsnSerValIleAsnProValPheTyrPheLeuGluLys 300
Db 841 CGGCTTTGGCTTCTCTGTAAGTGCATCAACCGTCTCTATTTCTTTGGAGAT 900
Qy 301 HisPheArgAspMetLeuMetAsnGlnLeuArgHisAsnPhelYsSerIleThrSerPhe 320
Db 901 CACTTCAGGAGCATGCTGTGATGAATCAACTGAGACACACACTTCAAATCCCTTACATCCTT 960
Qy 321 SerArgTrpAlaHisGlnLeuLeuLeuSerPheArgGluLys 334
Db 961 ACAGATGGGCTCATCACTCTCTCTTCTTATTCAGAGAAAG 1002

RESULT 5

US-09-875-076-35
Sequence 35, Application US/09875076

GENERAL INFORMATION:

APPLICANT: Chen, Ruoping
APPLICANT: Dang, Huong T.
APPLICANT: Liaw, Chen W.
APPLICANT: Lin, I-Lin
TITLE OF INVENTION: Human Orphan G Protein Coupled Receptors
FILE REFERENCE: AREN0050
CURRENT APPLICATION NUMBER: US/09/875,076
CURRENT FILING DATE: 2001-06-06
Prior application number: 09/417,044
Prior filing date: 1999-10-12
Prior application number: 60/120,416
Prior filing date: 1999-02-16
Prior application number: 60/121,851
Prior filing date: 1999-02-26
Prior application number: 60/123,946
Prior filing date: 1999-03-12
Prior application number: 60/123,949

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: PRIOR FILING DATE: 1999-03-12
: PRIOR APPLICATION NUMBER: 60/136,436
: PRIOR FILING DATE: 1999-05-28
: PRIOR APPLICATION NUMBER: 60/136,437
: PRIOR FILING DATE: 1999-05-28
: PRIOR APPLICATION NUMBER: 60/136,439
: PRIOR FILING DATE: 1999-05-28
: PRIOR APPLICATION NUMBER: 60/136,567
: PRIOR FILING DATE: 1999-05-28
: PRIOR APPLICATION NUMBER: 60/137,127
: PRIOR FILING DATE: 1999-05-28
: PRIOR APPLICATION NUMBER: 60/137,131
: PRIOR FILING DATE: 1999-05-28
: PRIOR APPLICATION NUMBER: 60/141,448
: PRIOR FILING DATE: 1999-06-29
: PRIOR APPLICATION NUMBER: 60/156,653
: PRIOR FILING DATE: 1999-09-29
: PRIOR APPLICATION NUMBER: 60/156,633
: PRIOR FILING DATE: 1999-09-29
: PRIOR APPLICATION NUMBER: 60/156,555
: PRIOR FILING DATE: 1999-09-29
: PRIOR APPLICATION NUMBER: 60/156,634
: PRIOR FILING DATE: 1999-09-29
: PRIOR APPLICATION NUMBER: 60/157,280
: PRIOR FILING DATE: 1999-10-01
: PRIOR APPLICATION NUMBER: 60/157,294
: PRIOR FILING DATE: 1999-10-01
: PRIOR APPLICATION NUMBER: 60/157,281
: PRIOR FILING DATE: 1999-10-01
: PRIOR APPLICATION NUMBER: 60/157,293
: PRIOR FILING DATE: 1999-10-01
: PRIOR APPLICATION NUMBER: 60/157,282
: PRIOR FILING DATE: 1999-10-01
: NUMBER OF SEQ ID NOS: 74
: SOFTWARE: PatentIn Ver. 2.1
: SEQ ID NO 35
: LENGTH: 1005
: TYPE: DNA
: ORGANISM: Homo sapiens
US-09-765-076-35

Alignment Scores:
Pred. No.: 7,05e-151 Length: 1005
Score: 1737.00 Matches: 333
Percent Similarity: 99.70% Conservative: 0
Best Local Similarity: 99.70% Mismatches: 1
Query Match: 99.43% Indels: 0
Gaps: 0

US-09-765-034-2 (1-334) x US-09-875-076-35 (1-1005)

QY 1 MetLeuglyIleMetAlaTrpAsnAlaThrCysLysAsnTrpLeuAlaAlaGluAla 20
Db 1 ATGCTGGGAGATCATGCGATGCAATGCAAAACCTGCTGCGACGAGAGCTGCC 60

QY 21 LeuGluLysTrpTrpLeuSerLlePheSerLleGlyLysGluPheValGlyValLeu 40
Db 61 CTGGAAAGAGTACTACCTTCCATTTTATGAGATGAGTGGTGGAGTCCCTTGA 120

QY 41 AsnThrIleValAlaValTrpGlyTrpLlePheSerLleLysAsnTrpAsnSer 60
Db 121 AATACCATTTGTTTACGCTGCTGCTGACTTACCTTTCTGTCACCCCTCCATGCTGATA 180

QY 61 TyrLeuPheAsnLeuSerValSerAspLeuAlaPheLeuCysTrpLeuProMetLeu 80
Db 181 TATCTCTTAACTCTGCTGCTGCTGACTTACCTTTCTGTCACCCCTCCATGCTGATA 240

QY 81 ArgSerTrpAlaAsnGlyAsnTrpLleTrpGlyAspValLeuCysLleSerAsnArg 100
Db 241 AGGAGTTATGCCAATGGAAATGATATATGAGACGTCCTCATTAAGCAACCGATAT 300

QY 101 ValLeuHisAlaAsnLeuTrpThrSerLleuPheLeuThrPheLleSerLleAspArg 120

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Db 301 GTGCTTATGCCAACCTTATACAGCATCTCTTTCCTCATTTTATGACATGATGCA 360
QY 121 TyrLeuIleLleLysTrpProPheArgLysIleLeuGluLysGluPheAlaIle 140
Db 361 TACTTGATATATTAATATCCCTTTCGAGACACCTTTCGAAAAAAGAGTTCTATT 420

QY 141 LeuIleSerLeuAlaIleTrpValLeuValThrLeuGluLeuProIleLeuProLeu 160
Db 421 TTAATCTCTGGCCATTTGGGTTTATGATTAACCTTAGAGTTACTACCATCTCCCTT 480

QY 161 IleAsnProValIleThrAspAsnGlyThrPheCysAsnAspPheAlaSerSer 180
Db 481 ATAATTCCTGTTATACGACATGACATGCGACCTGTAAATGATTTGCAAGTTCTGGACAC 540

QY 181 ProAsnTrpAsnLeuIleLysSerMetCysLeuThrLeuGlyPheLeuIleProLeu 200
Db 541 CCCAACCTAACCCATTTATAGCATGATGTCATACAGCTGGTGGTTCCTTATCTCTT 600

QY 201 PheValMetCysPhePheTrpTrpLysIleAlaLeuPheLeuLysGluArgAsnArg 220
Db 601 TTTGATGTTCTTCTTTATACAAAGATGCTCTCTTCAAAACAGAGATAGCGAG 660

QY 221 ValAlaThrAlaLeuProLeuGluLysProLeuAsnLeuValIleMetAlaValAla 240
Db 661 GTTGCTTACTGCTCTGCTCCCTTGAAGGCTCTCAACTGTGATCATGCGATGTAATC 720

QY 241 PheSerValProPheThrProTrpHisValMetArgAsnValArgIleAsnArgLeu 260
Db 721 TTCCTGTGCTTTTACACCCATCATGCGAATGGAGATGAGGCTTACAGCGCTG 780

QY 261 GlySerTrpLysGlnTrpGlnCysThrGlnValValIleAsnSerPheTrpLleValThr 280
Db 781 GGGAGTTGGAGCAGTACAGTACAGTCACTGAGTGCACCACTCTTTTACATGTGTGACA 840

QY 281 ArgProLeuAlaPheLeuAsnSerValIleAsnProValPheTrpPheLeuLeuLys 300
Db 841 CGGCTTTGGCTTCTCTAACAAGTCTCATCACTGCTCTTCTTATTTCTTTGGAGAT 900

QY 301 HisPheArgAspMetLeuMetAsnGluLeuArgHisAsnPheLysSerLeuThrSerPhe 320
Db 901 CACTTCAGGAGCATGCTGATGATCACTGAGACCACTCAATCCCTTACATCCCTT 960

QY 321 SerArgTrpAlaHisGluLeuLeuLeuSerPheArgGluLys 334
Db 961 AGCAGATGGCTCATGAACTCTTACTTTCATTCAGAGAAAG 1002

RESULT 6
US-09-876-252-37
: Sequence 37, Application US/09876252
: GENERAL INFORMATION:
: APPLICANT: Behan, Dominic P.
: APPLICANT: Lehmann-Brulsma, Karin
: APPLICANT: Chalmers, Derek T.
: APPLICANT: Lowitz, Kevin P.
: APPLICANT: Lin, I-Lin
: APPLICANT: Dang, Huang T.
: APPLICANT: Chen, Ruoping
: APPLICANT: Liaw, Chen W.
: TITLE OF INVENTION: Non-Endogenous Constititively Activated Human G Protein Coupled
: FILE REFERENCE: AREN-0054
: CURRENT APPLICATION NUMBER: US/09/876,252
: PRIOR FILING DATE: 2001-06-07
: PRIOR APPLICATION NUMBER: 09/416,760
: PRIOR FILING DATE: 1999-10-12
: PRIOR APPLICATION NUMBER: 09/170,496
: PRIOR FILING DATE: 1998-10-13
: PRIOR APPLICATION NUMBER: 60/110,060
: PRIOR FILING DATE: 1998-11-27
: PRIOR APPLICATION NUMBER: 60/120,416
: PRIOR FILING DATE: 1999-02-16
: PRIOR APPLICATION NUMBER: 60/121,852
: PRIOR FILING DATE: 1999-02-26
: PRIOR APPLICATION NUMBER: 60/109,213

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; PRIOR FILING DATE: 1998-11-20
; PRIOR APPLICATION NUMBER: 60/123,944
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/123,945
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/123,948
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/123,951
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/123,946
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/123,949
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/152,524
; PRIOR FILING DATE: 1999-09-03
; PRIOR APPLICATION NUMBER: 60/151,114
; PRIOR FILING DATE: 1999-08-27
; PRIOR APPLICATION NUMBER: 60/108,029
; PRIOR FILING DATE: 1998-11-12
; PRIOR APPLICATION NUMBER: 60/136,436
; PRIOR FILING DATE: 1999-05-28
; PRIOR APPLICATION NUMBER: 60/136,439
; PRIOR FILING DATE: 1999-05-28
; PRIOR APPLICATION NUMBER: 60/136,567
; PRIOR FILING DATE: 1999-05-28
; PRIOR APPLICATION NUMBER: 60/137,127
; PRIOR FILING DATE: 1999-05-28
; PRIOR APPLICATION NUMBER: 60/137,131
; PRIOR FILING DATE: 1999-05-28
; PRIOR APPLICATION NUMBER: 60/141,448
; PRIOR FILING DATE: 1999-06-29
; PRIOR APPLICATION NUMBER: 60/136,437
; PRIOR FILING DATE: 1999-05-28
; PRIOR APPLICATION NUMBER: 60/156,555
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: 60/156,634
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: 60/156,653
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: 60/157,280
; PRIOR FILING DATE: 1999-10-01
; PRIOR APPLICATION NUMBER: 60/157,294
; PRIOR FILING DATE: 1999-10-01
; PRIOR APPLICATION NUMBER: 60/157,281
; PRIOR FILING DATE: 1999-10-01
; PRIOR APPLICATION NUMBER: 60/157,282
; PRIOR FILING DATE: 1999-10-01
; PRIOR APPLICATION NUMBER: 60/156,633
; PRIOR FILING DATE: 1999-09-29
; NUMBER OF SEQ ID NOS: 146
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 37
; LENGTH: 1005
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-876-252-37

Alignment Scores:
Pred. No.: 7.05e-151 Length: 1005
Score: 1737.00 Matches: 333
Percent Similarity: 99.708 Conservative: 0
Best Local Similarity: 99.708 Mismatches: 1
Query Match: 99.43% Indels: 0
DB: 33 Gaps: 0

US-09-765-034-2 (1-334) x US-09-876-252-37 (1-1005)
QY 1 MetLeuGlyIleMetAlaTrpAsnAlaTrpCysLysAsnTrpLeuAlaAlaGluAlaAla 20
DB 1 ATGCTGGGATCATGCGATGAGATGCAACCTGCGAGAGAGAGAGAGAGAGAGAGAGAG 60
QY 21 LeuGluLysTyrTrpLeuSerIlePheTyrGlyIleGluPheValValGlyValLeuGly 40

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DB 61 CTGGAAAGTACTACCTTTCATTTTATGGAGTTGACTGCTTGGAGCTTGGCA 120
QY 41 AsnThrIleValValTyrGlyTyrIlePheSerLeuLysAsnTrpAsnSerIle 60
DB 121 AATACCATTTGTTGTACGGCTACATCTTCTCTGAAGACAGACGACATATATT 180
QY 61 TyrLeuPheAsnLeuSerValSerAspLeuAlaPheLeuCysThrLeuPheLeu 80
DB 181 TATCTCTTAACCTCTCTGCTGACTAGCTTTCTGTCGACCTCCCAAGCTGATA 240
QY 81 ArgSerTyrAlaAsnLysAsnTrpIleTyrGlyAspValLeuCysIleSerAsnAla 100
DB 241 AGGAGTTATGCGCAATGAACTGGATATATGAGAGCTGCTGCAATGCAACCGATAT 300
QY 101 ValLeuHisAlaAsnLeuTyrThrSerIleLeuPheLeuThrPheIleSerIleAspArg 120
DB 301 GTGCTTCATGCCAAGCTATACAGACATCTCTTCTCTATTCACAGATAGATCGA 360
QY 121 TyrLeuIleIleLysTyrProPheArgGluHisLeuLeuGlnLysLysGluPheAla 140
DB 361 TACTGATATATTAAGTATCTCTTCCGAGAACACCTTCCGAAAGAGAGTTGCTATT 420
QY 141 LeuIleSerLeuAlaIleTrpValLeuValThrLeuGluLeuLeuProIleLeuProleu 160
DB 421 TTAATCTCTTGGCCATGTTGGTTAGTAACCTTAGAGTACTACCCATATCTCCCTT 480
QY 161 IleAsnProValIleThrAspAsnGlyThrThrCysAsnAspPheIleAsnSerGlyAsp 180
DB 481 ATTAATCCCTGTATTAATGTCATGTCACACACCTGTATGATTTTCCAACTTGTGAGAC 540
QY 181 ProAsnTyrAsnLeuIleTyrSerMetCysLeuThrLeuLeuGlyPheLeuIleProleu 200
DB 541 CCCAACTACAACTCATTTACACATGTCATGCTGCTGAGGCTGCTTATCTCTCT 600
QY 201 PheValMetCysPhePheTyrTyrIleAlaLeuPheLeuLysGlnArgAsnAlaGln 220
DB 601 TTTGTATGTTGTTCTTTATTAACAAGATTGCTCTCTCTTAAGAAGAGAAATAGGACG 660
QY 221 ValAlaThrAlaLeuProLeuGluLysProLeuAsnLeuValIleMetAlaValIle 240
DB 661 GTTGCCTACTGCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 720
QY 241 PheSerValProPheThrProTyrHisValMetArgAsnValArgIleAlaSerArgLeu 260
DB 721 TCTCTGCTGCTTCTTACACCTGATCAGTCATCGGAAGTGAAGTGCCTTACCCCTG 780
QY 261 GlySerTrpLysGlnTyrGlnCysThrGlnValValIleAsnSerPheTyrIleValThr 280
DB 781 GGGAGTTGGAGAGCATCATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 840
QY 281 ArgProLeuAlaPheLeuAsnSerValIleAsnProValPheTyrPheLeuLeuGlyAsp 300
DB 841 CGGCTTTGGCTTCTGGAACAATGTCATCAACCCGTCTTCAATTCTTTGGGAGAT 900
QY 301 HisPheArgAspMetLeuMetAsnGlnLeuArgHisAsnPheLysSerLeuThrSerPhe 320
DB 901 CACTTCAGGAGCATGCTGATGATCAACGAGACACACACTTCAATCCCTTATCATCTCT 960
QY 321 SerArgTrpAlaHisGluLeuLeuLeuSerPheArgGlnLys 334
DB 961 AGCAGATGGGCTCATGAATCTTACTTTCATTCAGAGAAAG 1002

RESULT 7
PCT-US01-01316-36
; Sequence 36, Application PC/TUS0101316
; GENERAL INFORMATION:
; APPLICANT: Human Genome Sciences, Inc., et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PTO202PCT
; CURRENT APPLICATION NUMBER: PCT/US01/01316
; PRIOR FILING DATE: 2001-01-14
; PRIOR application data removed - refer to PALM or file wrapper
; NUMBER OF SEQ ID NOS: 88

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; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 36
; LENGTH: 1436
; TYPE: DNA
; ORGANISM: Homo sapiens
PCT-US01-01316-36

Alignment Scores:
Pred. No.: 1,11e-150      Length: 1436
Score: 1737.00           Matches: 333
Percent Similarity: 99.70%  Conservative: 0
Best Local Similarity: 99.70%  Mismatches: 1
Query Match: 99.43%      Indels: 0
Gaps: 0

US-09-765-034-2 (1-334) x PCT-US01-01316-36 (1-1436)

QY 1 MetLeuGlyIleMeTAlaTrpAsnAlaThrCysLysAsnTrpLeuAlaAlaGluAlaAla 20
DB 93 ATGCTGGGAGATCATGGCATGGAATGCACACTTGCAGAAAGCTGGCGACAGAGCTGCC 152

QY 21 LeuGluLysTrpTyrLeuSerIlePheTyrGlyIleGluPheValValGlyValLeuGly 40
DB 153 CTGGAAGAAGTACTACTCTTCATTTTATATGAGATTGAGTTGGTGGAGACTCCTTGA 212

QY 41 AsnThrIleValValTyrGlyTyrIlePheSerLeuLysAsnTrpAsnSerSerAsnIle 60
DB 213 AATACCATTTGTTTACGGCTACATCTTCTCTGAAAGAACTGGAGACAGCATATATT 272

QY 61 TyrLeuPheAsnLeuSerValSerAspLeuAlaPheLeuCysThrLeuProMetLeuIle 80
DB 273 TATCTCTTTAACCTCTGCTGCTCTGACTTACCTTTCTGTGACCCCTCCCAAGCTGATA 332

QY 81 ArgSerTyrAlaAsnGlyAsnTrpIleTyrGlyAspValLeuCysIleSerAsnArgTyr 100
DB 333 AGGACTTATGCGCAATGGAATCGAATATGAGACGTCCTGCTGATAAGCAACCGATAT 392

QY 101 ValLeuHisAlaAsnLeuTyrThrSerIleLeuPheLeuThrPheIleSerIleAspArg 120
DB 393 GTCCTTCATGCGCAACCTCTATACAGCATCTTCTCTCATCTTATATCGCATATATCGA 452

QY 121 TyrLeuIleIleLysTyrProPheArgGluHisLeuGlnLysGluPheAlaIle 140
DB 453 TACTGTGATATTAATATACCTTTCCGAGACACCTTCTGCAAAAGAGAGTTCTATAT 512

QY 141 LeuIleSerLeuAlaIleTrpValLeuValThrLeuGluLeuLeuProIleLeuProLeu 160
DB 513 TTAATCTCTGCTGGCCATTTGGGTTTAGTAACCTTACAGATTACCATATCTCCCTT 572

QY 161 IleAsnProValIleThrAspAsnGlyThrThrCysAsnAspPheAlaSerSerGlyAsp 180
DB 573 ATAAATCTCTGTTATATACGACAAATGACACCACTTAAATGATTGCAAGTTCTGAGAC 632

QY 181 ProAsnTyrAsnLeuIleTyrSerMetCysLeuThrLeuLeuGlyPheLeuIleProLeu 200
DB 633 CCCACATCAACACCTATTTACAGCATGTGTCTCAACACATGTTGGGTTCTTATCTCTCT 692

QY 201 PheValMetCysPhePheTyrTyrLysIleAlaLeuPheLeuLysGlnArgAsnArgGln 220
DB 693 TTTGTGAGTGTCTTTTATATACAAAGATGCTCTCTTCAAGCAGAGAAATAGGCGAG 752

QY 221 ValAlaThrAlaLeuProLeuGluLysProLeuAsnLeuValIleMetAlaValValIle 240
DB 753 GTTGTACTGTCTGCCCCCTTGAAAAGCCTCTCAACTGGTCAATATGAGCATGCTAATC 812

QY 241 PheSerValIleProPheThrProTyrHisValMetArgAsnValArgIleAlaSerArgLeu 260
DB 813 TTCTCTGTGCTTTTACACCCATATACATCATGCGGAATGTGAGAGATGCTTCAAGCCG 872

QY 261 GlySerTrpLysGlnTyrGlnCysThrGlnValValIleAsnSerPheTyrIleValThr 280
DB 873 GGAAGTTGGAAGAGATATCAGTGCACAGGTGCTGATCACTCCTTTTACATTTGTGACA 932
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QY 281 ArgProLeuAlaPheLeuAsnSerValIleAsnProValPheTyrPheLeuLeuGlyAsp 300
DB 933 CGGCTTTGGCTTTCTGTGAAAGTGTATCATCAACCCGTCTTCTATTTCTTTGGAGAT 992

QY 301 HisPheArgAspMetLeuMetAsnGlnLeuArgHisAsnPheLysSerLeuThrSerPhe 320
DB 993 CACTTCAGGACATGCTGTGTGATCAACTGACAGACAACTTAAATCCCTTATCATCTTT 1052

QY 321 SerArgTrpAlaHisGluLeuLeuLeuLeuSerPheArgLys 334
DB 1053 AGCAGATGGGCTCATGACACTCTTACTTTTATTCAGAGAAAAG 1094

RESULT 8
PCT-US01-16450-1352
; Sequence 1352, Application PC/TUS0116450
; GENERAL INFORMATION:
; APPLICANT: Human Genome Sciences, Inc.
; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
; FILE REFERENCE: PA131PCT
; CURRENT FILING DATE: 2001-06-01
; PRIOR APPLICATION NUMBER: 60/205,515
; PRIOR FILING DATE: 2000-05-19
; NUMBER OF SEQ ID NOS: 2820
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1352
; LENGTH: 1436
; TYPE: DNA
; ORGANISM: Homo sapiens
PCT-US01-16450-1352

Alignment Scores:
Pred. No.: 1,11e-150      Length: 1436
Score: 1737.00           Matches: 333
Percent Similarity: 99.70%  Conservative: 0
Best Local Similarity: 99.70%  Mismatches: 1
Query Match: 99.43%      Indels: 0
Gaps: 0

US-09-765-034-2 (1-334) x PCT-US01-16450-1352 (1-1436)

QY 1 MetLeuGlyIleMeTAlaTrpAsnAlaThrCysLysAsnTrpLeuAlaAlaGluAlaAla 20
DB 93 ATGCTGGGAGATCATGGCATGGAATGCACACTTGCAGAAAGCTGGCGACAGAGCTGCC 152

QY 21 LeuGluLysTrpTyrLeuSerIlePheTyrGlyIleGluPheValValGlyValLeuGly 40
DB 153 CTGGAAGAAGTACTACTCTTCATTTTATATGAGATTGAGTTGGTGGAGACTCCTTGA 212

QY 41 AsnThrIleValValTyrGlyTyrIlePheSerLeuLysAsnTrpAsnSerSerAsnIle 60
DB 213 AATACCATTTGTTTACGGCTACATCTTCTCTGAAAGAACTGGAGACAGCATATATT 272

QY 61 TyrLeuPheAsnLeuSerValSerAspLeuAlaPheLeuCysThrLeuProMetLeuIle 80
DB 273 TATCTCTTTAACCTCTGCTGCTCTGACTTACCTTTCTGTGACCCCTCCCAAGCTGATA 332

QY 81 ArgSerTyrAlaAsnGlyAsnTrpIleTyrGlyAspValLeuCysIleSerAsnArgTyr 100
DB 333 AGGACTTATGCGCAATGGAATCGAATATGAGACGTCCTGCTGATAAGCAACCGATAT 392

QY 101 ValLeuHisAlaAsnLeuTyrThrSerIleLeuPheLeuThrPheIleSerIleAspArg 120
DB 393 GTCCTTCATGCGCAACCTCTATACAGCATCTTCTCTCATCTTATATCAGCATATATCGA 452

QY 121 TyrLeuIleIleLysTyrProPheArgGluHisLeuGlnLysGluPheAlaIle 140
DB 453 TACTGTGATATTAATATACCTTTCCGAGACACCTTCTGCAAAAGAGAGTTGCTATAT 512

QY 141 LeuIleSerLeuAlaIleTrpValLeuValThrLeuGluLeuLeuProIleLeuProLeu 160
DB 513 TTAATCTCTGCTGGCCATTTGGGTTTAGTAACCTTACAGATTACCATATCTTCCCTT 572
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QY 161 ILeasProVal1IlethraspasnglyThrThrCysAsnAspHeaIAserSerglyAsp 180
Db 573 ATAAATCCCTGTATTAACGTGACCAATGGCACCACTGTATATATTTGGAACTGTGGAGAC 632
QY 181 ProAsnTyraAsnLeuIleTySerMetCysLeuThrLeuLeuGlyPheLeuIleProLeu 200
Db 633 CCCAACTACACCTCATTTTACACAGATGTCTTACACACTGTGGGGTCTCTTATTCCTCTT 692
QY 201 PheValMetCysPhePheTyrrTylysIleAlaLeuPheLeuLysGlnArgAsnArgGln 220
Db 693 TTGTGTATGTGTTCTTTTATTAACAAGATGTCTCTCTCTTAAGACAGAGAAATAGGCAG 752
QY 221 ValAlaThrAlaLeuProLeuGluLysProLeuAsnLeuValIleMetAlaValAlaIle 240
Db 753 GTTGCTACTGCTCTGTCCCTTGAAAGCCCTCAACTGTGTATCAAGGACAGGTGTATC 812
QY 241 PheSerValProPheThrProTyrrHisValMetArgAsnValArgIleAlaSerArgLeu 260
Db 813 TTCTGTGTCTTTTACACCTTATCACGTATCGGAAATGTGAGATCGCTTACCGCTCG 872
QY 261 GlySerTrpLysGlnTyrgIncyThrGlnValAlaIleAsnSerPheTyrrIleValThr 280
Db 873 GGGAGTTGGAAAGCATATGATGACACTGACAGTGTATCAACTCCTTTTACATTGTGACA 932
QY 281 ArgProLeuAlaPheLeuAsnSerValIleAsnProValPheTyrrPheLeuLeuGlyAsp 300
Db 933 CGGCTTTGGCCTTTCTTGAAACAGTGTATCAACCTGTCTTCTTATTTCTTTGGGAGAT 992
QY 301 HisPheArgAspMetLeuMetLeuAsnGlnLeuArgHisAsnPheLysSerLeuThrSerPhe 320
Db 993 CACTTCAGGACATGCGATGAATCAACATGACACACACTTCACAAATCCCTTACATCCTTT 1052
QY 321 SerArgTrpAlaHisGlnLeuLeuLeuSerPheArgGluLys 334
Db 1053 AGCAGATGGGCTCATGAACTCTACTTTCATTCAGAGAAAG 1094

RESULT 9
PCT-US01-16450A-1352
; Sequence 1352, Application PC/TUS0116450A
; GENERAL INFORMATION:
; APPLICANT: Human Genome Sciences, Inc.
; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
; FILE REFERENCE: PAL31PCT
; CURRENT APPLICATION NUMBER: PCT/US01/16450A
; CURRENT FILING DATE: 2001-05-18
; PRIOR APPLICATION NUMBER: 60/205,515
; PRIOR FILING DATE: 2000-05-19
; NUMBER OF SEQ ID NOS: 2820
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1352
; LENGTH: 1436
; TYPE: DNA
; ORGANISM: Homo sapiens
PCT-US01-16450A-1352

Alignment Scores:
Pred. No.: 1,11e-150 Length: 1436
Score: 1737.00 Matches: 333
Percent Similarity: 99.70% Conservative: 0
Best Local Similarity: 99.70% Mismatches: 1
Query Match: 99.43% Indels: 0
DB: 1 Gaps: 0

US-09-765-034-2 (1-334) x PCT-US01-16450A-1352 (1-1436)
QY 1 MetLeuGlyIleMetAlaTrpAsnAlaThrCysLysAsnTrpLeuAlaIleGluAlaAla 20
Db 93 ATGCTGGGATCATGCGATGGAATGCAAACTTGCAAAACATGCGTGGCAGAGAGCGTGGC 152
QY 21 LeuGluLysTyrrTyrrLeuSerIlePheTyrrGlyIleGluPheValIleGlyValLeuGly 40
Db 153 CTGGAAGAAAGTACATCCTTTTCATTTTATGCGATGTGCGTTCGTGTGGGAGAGCTCTTGA 212
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QY 41 AsnThrIleValValTyrrGlyTyrrIlePheSerLeuLysAsnTrpAsnSerSerAlaIle 60
Db 213 AATACCATTTGTGTATTACGGCTCATCTTCTCTGTGAAGAACAGAACACAGTAATATT 272
QY 61 TyrLeuPheAsnLeuSerValIleSerAspLeuAlaPheLeuGlyThrLeuProMetLeuIle 80
Db 273 TATCTCTTTAACCTCTCTGTCTGTGACTTACCTTTCCTTCTGACACCTTCCCATGCTGATA 332
QY 81 ArgSerTyrrAlaAsnGlyAsnTrpIleTyrrGlyAspValLeuGlyLysIleSerAsnArgTyrr 100
Db 333 AGGAGTATGTCCAATGGAACACTGGATATATGAGAGCTGTCTGCAATACCAACCATAT 392
QY 101 ValLeuHisAlaAsnLeuTyrrThrSerIleLeuPheLeuThrPheIleSerIleAspArg 120
Db 393 GTGCTTCATGCAACCTCTTATACAGATCTCTCTTCTCACTTTTATCACATAGATGCA 452
QY 121 TyrLeuIleLeuTyrrProPheArgGluHisLeuLeuGlnLysGluPheAlaIle 140
Db 453 TACTGTAAATTAAGATATCTTTCGGAACACCTTTCGAAAAGAAAGAGTTGTATT 512
QY 141 LeuIleSerLeuAlaIleTrpValLeuValIleThrLeuGluLeuLeuProIleLeuProLeu 160
Db 513 TTATATCCTTTGGCATTTGGGTTTATAGTAACTTATAGTTACTACCATTAATCCCTT 572
QY 161 ILeasProVal1IlethraspasnglyThrThrCysAsnAspHeaIAserSerglyAsp 180
Db 573 ATAAATCCCTGTATTAACGTGACCAATGGCACCACTGTATATATTTGGAACTGTGGAGAC 632
QY 181 ProAsnTyraAsnLeuIleTySerMetCysLeuThrLeuLeuGlyPheLeuIleProLeu 200
Db 633 CCCAACTACACCTCATTTTACACAGATGTCTTACACACTGTGGGGTCTCTTATTCCTCTT 692
QY 201 PheValMetCysPhePheTyrrTylysIleAlaLeuPheLeuLysGlnArgAsnArgGln 220
Db 693 TTGTGTATGTGTTCTTTTATTAACAAGATGTCTCTCTCTTAAGACAGAGAAATAGGCAG 752
QY 221 ValAlaThrAlaLeuProLeuGluLysProLeuAsnLeuValIleMetAlaValAlaIle 240
Db 753 GTTGCTACTGCTCTGTCCCTTGAAAGCCCTCAACTGTGTATCAAGGACAGGTGTATC 812
QY 241 PheSerValProPheThrProTyrrHisValMetArgAsnValArgIleAlaSerArgLeu 260
Db 813 TTCTGTGTCTTTTACACCTTATCACGTATCGGAAATGTGAGATCGCTTACCGCTCG 872
QY 261 GlySerTrpLysGlnTyrgIncyThrGlnValAlaIleAsnSerPheTyrrIleValThr 280
Db 873 GGGAGTTGGAAAGCATATGATGACACTGACAGTGTATCAACTCCTTTTACATTGTGACA 932
QY 281 ArgProLeuAlaPheLeuAsnSerValIleAsnProValPheTyrrPheLeuLeuGlyAsp 300
Db 933 CGGCTTTGGCCTTTCTTGAAACAGTGTATCAACCTGTCTTCTTATTTCTTTGGGAGAT 992
QY 301 HisPheArgAspMetLeuMetLeuAsnGlnLeuArgHisAsnPheLysSerLeuThrSerPhe 320
Db 993 CACTTCAGGACATGCGATGAATCAACATGACACACACTTCACAAATCCCTTACATCCTTT 1052
QY 321 SerArgTrpAlaHisGlnLeuLeuLeuSerPheArgGluLys 334
Db 1053 AGCAGATGGGCTCATGAACTCTACTTTCATTCAGAGAAAG 1094

RESULT 10
US-09-764-886-36
; Sequence 36, Application US/09764886
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PT202
; CURRENT APPLICATION NUMBER: US/09/764,886
; CURRENT FILING DATE: 2001-01-17
; PRIOR APPLICATION data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 88
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 36
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; LENGTH: 1436
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-764-886-36

Alignment Scores:
Pred. No.: 1,11e-150 Length: 1436
Score: 1737.00 Matches: 333
Percent Similarity: 99.70% Conservative: 0
Best Local Similarity: 99.70% Mismatches: 1
Query Match: 99.43% Indels: 0
DB: Gaps: 0

US-09-765-034-2 (1-334) x US-09-764-886-36 (1-1436)

QY 1 MetLeuGlyIleMeLaIaTrPaSnAlaThrCysLysAsnTrpLeuAlaIaGluaIaAla 20
DB 93 ATGCGGGGAGATCATGCAATGCAATGCAAACTGGCTGCGACAGAGCTGCC 152
QY 21 LeuGluLysTyrTyrLeuSerIlePheTyrGlyIleGluPheValaIaGlyValLeuGly 40
DB 153 CTGGAAAGTACTACCTTCCATTTTATGGGATTGAGTTCGTGGAGTCTTGA 212
QY 41 AsnThrIleValaIaTyrGlyTyrIlePheSerLeuLysAsnTrpAsnSerSerSnIle 60
DB 213 AATACCATTGGTTGTTACGGCTACATCTTCTCTGAAAGAACCTGGAACGAGTAATAT 272
QY 61 TyrLeuPheAsnLeuSerValSerAspLeuAlaPheLeuCysThrLeuProMetLeuIle 80
DB 273 TATCTCTTAACTCTCTGCTCTGCTACTAGCTTTCTCTGACACCTGCCCATGCTGATA 332
QY 81 ArgSerTyrAlaAsnGlyAsnTrpIleTyrGlyAspValLeuCysIleSerAsnArgTyr 100
DB 333 AGGAGTTATGCCAAAGGAAACGATATATGAGACGCTCTGATAGCAACCGATAT 392
QY 101 ValLeuHsAlaAsnLeuTyrThrSerIleLeuPheLeuThrPheIleSerIleAspArg 120
DB 393 GTGCTTCAATGCCAACCTCTATACCGACATTCCTTTCACCTTTATACGATAGATCA 452
QY 121 TyrLeuIleIleLysTyrProPheArgLysIleLeuGlnLysGluPheAlaIle 140
DB 453 TACTGTAAATTAAGTATACCTTCCGAGAACCTTCGCAAAAGAGTTGCTAT 512
QY 141 LeuIleSerLeuAlaIleTyrValLeuValThrLeuGluLeuLeuProIleLeuProLeu 160
DB 513 TTAATCTCTGGCCATTTGGTTAGTAACTTAGACCTTACCACTACTTCCCTT 572
QY 161 IleAsnProValIleThrAspAsnGlyThrThrCysAsnAspPheAlaSerSerGlyAsp 180
DB 573 ATAAATCTGTTATATACGTACATATGCAACCTGTAATGATTGCAAGTTCTGGAGAC 632
QY 181 ProAsnTyrAsnLeuIleTyrSerMetCysLeuThrLeuLeuGlyPheLeuIleProLeu 200
DB 633 CCCAACCTAACCTCAATTACAGCATGTCTTAACACATGTTGGGCTTCTTCTCT 692
QY 201 PheValMetCysPhePheTyrTyrIleValaLeuPheLeuLysGlnArgAsnArgGln 220
DB 693 TTTGGAGTGTGTTTATTTATACAAAGATTGCTCTCTCTTCAACAGAGAAATAGGAG 752
QY 221 ValaIaThrAlaLeuProLeuGluLysProLeuAsnLeuValIleMeLaIaValaIle 240
DB 753 GTTGCTACTGCTCTGCCCTTGAAAGCCTCTCAACTGGTCATATGAGCAGTGAATC 812
QY 241 PheSerValProPheThrProTyrHisValMeLaArgAsnValArgIleAlaSerArgLeu 260
DB 813 TTTCTCTGCTGTTTATACACCCATACAGCTCAATGGGAAATGAGAGATGCTTCAAGCCT 872
QY 261 GlySerTrpLysGlnTyrGlnCysThrGlnValaIleAsnSerPheTyrIleValThr 280
DB 873 GGGAGTGGAGAGATATACATGACACTGAGCGCATCACTCTTATACATGTTGACA 932
QY 281 ArgProLeuAlaPheLeuAsnSerValIleAsnProValPheTyrPheLeuLeuGlyasp 300
DB 932 ATGCTCTTAACTCTGCTCTGCTACTAGCTTTCTGTCGACACCTGCCCATGCTGATA 332
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DB 933 CGGCTTTGGCCCTTCTGACAGCTGCATCAACCTGCTCTTCTTATTTCTTTGGAGAT 992
QY 301 HisPheArgAspMetLeuMetLeuMetAsnGlnLeuArgHisAsnPheLysSerLeuThrSerPhe 320
DB 993 CACTTCAGGAGCATGCTGATGATCAATCACTGACAGACACCACTTCAATTCCTTACATCCTTT 1052
QY 321 SerArgTrpAlaHisGluLeuLeuLeuSerPheArgGluLys 334
DB 1053 ACCAGATGGGCTCATGAACTCTACTTTCATTCAGAGAAAG 1094

RESULT 11
US-60-213-954-7
; Sequence 7, Application US/60213954
; GENERAL INFORMATION:
; APPLICANT: Lal, Preeti
; APPLICANT: Baughn, Mariah R.
; APPLICANT: Hafalla, April
; APPLICANT: Nguyen, Darniel B.
; APPLICANT: Gandhi, Ameena R.
; APPLICANT: Kallick, Deborah A.
; APPLICANT: Griffen, Jennifer A.
; APPLICANT: Yue, Henry
; APPLICANT: Khan, Farrah A.
; APPLICANT: Patterson, Chandra
; APPLICANT: Lu, Dzung Alma M.
; APPLICANT: Tribouley, Catherine M.
; APPLICANT: Lu, Yan
; APPLICANT: Walla, Narinder K.
; APPLICANT: Gaul, Richard
; APPLICANT: Yao, Monique G.
; APPLICANT: Yang, Junning
; TITLE OF INVENTION: G-PROTEIN COUPLED RECEPTORS
; FILE REFERENCE: PI-0131 P
; CURRENT APPLICATION NUMBER: US/60/213,954
; CURRENT FILING DATE: 2000-06-22
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: PERL Program
; SEQ ID NO 7
; LENGTH: 1542
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc.feature
; OTHER INFORMATION: Incyte ID NO: 3485895CB1
US-60-213-954-7

Alignment Scores:
Pred. No.: 1,21e-150 Length: 1542
Score: 1737.00 Matches: 333
Percent Similarity: 99.70% Conservative: 0
Best Local Similarity: 99.70% Mismatches: 1
Query Match: 99.43% Indels: 0
DB: Gaps: 0

US-09-765-034-2 (1-334) x US-60-213-954-7 (1-1542)

QY 1 MetLeuGlyIleMeLaIaTrPaSnAlaThrCysLysAsnTrpLeuAlaIaGluaIaAla 20
DB 198 ATGCGGGGAGATCATGCAATGCAATGCAAACTGGCTGCGACAGAGCTGCC 257
QY 21 LeuGluLysTyrTyrLeuSerIlePheTyrGlyIleGluPheValaIaGlyValLeuGly 40
DB 258 CTGGAAAGTACTACCTTCCATTTTATGGGATTGAGTTCGTGGAGTCTTGA 317
QY 41 AsnThrIleValaIaTyrGlyTyrIlePheSerLeuLysAsnTrpAsnSerSerSnIle 60
DB 318 AATACCATTGGTTGTTACGGCTACATCTTCTCTGAAAGAACCTGGAACGAGTAATAT 377
QY 61 TyrLeuPheAsnLeuSerValSerAspLeuAlaPheLeuCysThrLeuProMetLeuIle 80
DB 378 TATCTCTTAACTCTGCTCTGCTACTAGCTTTCTGTCGACACCTGCCCATGCTGATA 437
QY 81 ArgSerTyrAlaAsnGlyAsnTrpIleTyrGlyAspValLeuCysIleSerAsnArgTyr 100
DB 437 ATGCTCTTAACTCTGCTCTGCTACTAGCTTTCTGTCGACACCTGCCCATGCTGATA 437
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Oy	21	LeuGIuIuSyrYrYrIleuSerIlePheYrGlyIleGluPheValGlyValLeuGly	40
Db	163	CTGGAAAGACACCTCTTCCATTTTTPPAGGATTTGAAGTTCGGTGTGGAGTCCCTTGA	222
Oy	41	AsnThrIleValValYrGlyYrIlePheSerLeuYAsnTrpAsnSerSerAsnIle	60
Db	223	AATTCACATGTGTGTTTACGGCTACATCTTCTCTGTAGACACTGGAAACAGCATATATT	282
Oy	61	TyrIleuPheAsnLeuSerValSerAspLeuAlaPheLeuCysThrIleuPrometIleIle	80
Db	283	TATCTCTTTAACTCTCTGCTGTGACTTACGTTTTCCTGTGCACCCCTCCCATGCTGATA	342
Oy	81	ArgSerYrAlaAsnGlyAsnTrpIleYrGlyAspValLeuCysIleSerAsnArgYr	100
Db	343	AGGAGTTATGCCAATGGAAATCGAATATATGAGACAGTCTCTGCATAGAACCCGATAT	402
Oy	101	ValIleuHisAlaAsnLeuYrThrSerIlePhePheLeuThrPheIleSerIleAspArg	120
Db	403	GTCGTTCAATGCCAACCTTATACCAGCATTTCTTCTACCTTTTATACGATATAGATGA	462
Oy	121	TyrIleuIleIleuSyrYrProPheArgGluHisIleuLeuGlnLysLysGluPheAlaIle	140
Db	463	TACTGTATATTAAGTATCTCTTCCGAGAACACCTTCTCAAAAAGAAAGATTGCTATYT	522
Oy	141	LeuIleSerLeuAlaIleTrpValIleuValThrIleuGlnIleuLeuProIleuProIleu	160
Db	523	TTAATTCCTCTTGGCCATTTGGGCTTTTATGTAACCTTATAGATTTCTACCATCTCCCTT	582
Oy	161	IleAsnProValIleThrAspAsnGlyTrpThrCysAsnAspPheAlaSerSerGlyAsp	180
Db	583	ATTAATCTCTTTATACCTATGACAAATGGACACACCTGTAAATGATTTTGCAGATTCGGAAC	642
Oy	181	ProAsnTrpAsnLeuIleYrSerMetCysLeuThrIleuLeuGlyPheLeuIleProIleu	200
Db	643	CCCAACATCAACCTCATTTACACAGATGTGCTAACACCTGTGGGTCCCTTATTCCTCTT	702
Oy	201	PheValMetCysPhePheIleYrIleLysIleAlaLeuPheLeuLysGlnArgAsnArgIle	220
Db	703	TTTTGTGATGTGTCTTTTATTCACAAAGATTGCTCTCTTCTTAAACACAGAGCATAGCGAC	762
Oy	221	ValIleThrIleAlaLeuProIleuGluLysProIleuAsnLeuValIleMetAlaValValIle	240
Db	763	GTTCCTACTGCTCTGCCCCCTTGAAAGCCTCTCACTTGTATATAGGACAGTGGTATTC	822
Oy	241	PheSerValProPheThrProYrHisValMetArgAsnValArgIleAlaSerArgLeu	260
Db	823	TTTCTGTGGCTTTTACACCCCTATCAAGCATGCGGAATGAGAGTGGCTTCAAGCCTG	882
Oy	261	GlySerTrpLysGlnIleYrGlnCysThrGlnValValIleAsnSerPheIleYrIleValThr	280
Db	883	GGGAGTTTGGAAAGCGTATCTGCTACCTCAAGGTCGTCATCACTCTTTTACATTTGTGACA	942
Oy	281	ArgProIleuAlaPheLeuAsnSerValIleAsnProValPheYrPheIleuLeuGlyAsp	300
Db	943	CGGCTTTTGGCTTTCTGAAACAGTGTATCAACCCCTGTCTTATATTTCTTTTGGAGAT	1002
Oy	301	HisPheArgAspMetLeuMetAsnGlnIleuArgHisAsnPheLysSerLeuThrSerPhe	320
Db	1003	CACATTCAGGAGACAGCTGATGATATCAATGACATGACACAACTTAAATCCCTTACATCTTT	1062
Oy	321	SerArgTrpAlaHisGluLeuLeuLeuSerPheArgGluLys	334
Db	1063	AGCAGATGGGCTCATGAACCTCATTTTCATTCACAGAAAG	1104
RESULT 15			
US-09-764-886-11			
; Sequence 11, Application US/09764886			
; GENERAL INFORMATION:			
; APPLICANT: Rosen et al.			
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies			
; FILE REFERENCE: PT702			
; CURRENT APPLICATION NUMBER: US/09/764, 886			
; CURRENT FILING DATE: 2001-01-17			

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; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 88
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 11
; LENGTH: 4232
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-764-886-11

Alignment Scores:
Pred. NO.: 4,36e-150 Length: 4232
Score: 1737.00 Matches: 333
Percent Similarity: 99.70% Conservative: 0
Best Local Similarity: 99.70% Mismatches: 1
Query Match: 99.43% Indels: 0
DB: 30 Gaps: 0

US-09-765-034-2 (1-334) x US-09-764-886-11 (1-4232)

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QY 21 LeuGluLysTrpYrLeuSerIlePhePheTyGlyIleGluPheValaGlyValLeuGly 40
Db 163 CTGGAAAAGTACTCCCTTCATTTTATGGGATTAAGTTCGTGGGAGATCCCTTGA 222
QY 41 AsnThrIleValAlaTyrGlyTyrIlePheSerLeuLysAsnTrpAsnSerSeraIle 60
Db 223 AATACCATTTGTTGTTTACGGCTACATCTCTCTCGAAGAACTGGAAAGACAGATAATT 282
QY 61 TyrLeuPheAsnLeuSerValSerAspLeuAlaPheLeuLysThrLeuProMetLeuIle 80
Db 283 TATCTCTTAACCTCTGCTGCTGACCTTAAGCTTTCTGTGGCAACCTCCCATGCTGATA 342
QY 81 ArgSerTyrAlaAsnGlyAsnTrpIleTyrGlyAspValLeuLysIleSerAsnArgTyr 100
Db 343 AGGAGTTTATGGCAATGAGAACTGATATATGAGAACCTGCTGCATTAACCAACCATAT 402
QY 101 ValLeuHISAlaAsnLeuTyrTrhSerIleLeuPheLeuThrPheIleSerIleAspArg 120
Db 403 GGTGCTCATGGCAACCTTATACACGACATTCCTCTCTCATCTTTATACAGATAGATCGA 462
QY 121 TyrLeuIleIleLysTyrProPheArgGluHISLeuLeuGlnLysGluPheAlaIle 140
Db 463 TACTGTAATAATTAAGTATCCTTCCGAGAACACCTTCGCAAAAAGAAAGTTGTGATT 522
QY 141 LeuIleSerLeuAlaIleTrpValLeuValThrLeuGluLeuLeuProIleLeuProIle 160
Db 523 TTAAATCTCTGGCCATTTGGGTTTGTATTAACCTTAAGTACTACCCATACCTCCCTT 582
QY 161 IleAsnProValIleThrAspAsnGlyTrhTrhCysAsnAspPheAlaSerSerGlyAsp 180
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QY 181 ProAsnTyrAsnLeuIleTyrSerMetCysLeuThrLeuLeuGlyPheLeuIleProLeu 200
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QY 201 PheValMetCysPhePheTyrTyrLysIleAlaLeuPheLeuLysGlnArgAsnArgGln 220
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QY 241 PheSerValProPheThrProTyrHisValMetArgAsnValArgIleAlaSerArgLeu 260
Db 823 TTCCTGTGCTTTTACACCACTATACAGCTCATGGGGAATGGAGATCGCTTACAGCCTG 882
QY 261 GlySerTrpLysGlnTyrGlnCysThrGlnValValIleAsnSerPheTyrIleValThr 280

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Db 883 GGGAGTTGGAGCAGTATCATGCACCTGCGTCATCACTCCTTTACATTGTGACA 942
QY 281 ArgProLeuAlaPheLeuAsnSerValIleAsnProValPheTyrPheLeuGlyasp 300
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QY 301 HisPheArgAspMetLeuMetAsnGlnLeuArgHisAsnPhelySerLeuThrSerPhe 320
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Search completed: December 9, 2002, 13:22:55
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